

NYC Emergency Response
Air Samples - dioxin and furan results
Sampling Date 10/08/01

Sample No.	WG6234-1						00791	00792	00793			00794			00795			00796			
Sampling Location	Method Blank						TAGA	TAGA	A-Barclay & West Broadway			B-Church & Day St.			Loc 3-SW Side of WTC 5			C1-Liberty St. & Broadway			
Volume (Liters)	0						7395	7395	5635			5434			5390			5225			
Analyte	Result ng	EMPC ng	MDL ng	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³	Result ng/m ³	EMPC ng/m ³	MDL ng/m ³
2378-TCDD	U		0.020	U		0.0027	U		0.0027	U		0.0035	U	0.0012	0.0037	U	0.0026	0.0037	U	0.0021	0.0038
12378-PeCDD	U		0.10	U		0.014	U		0.014	0.0005 J		0.018	0.0064 J		0.018	0.0127 J		0.019	0.0133 J		0.019
123478-HxCDD	U		0.10	U		0.014	U		0.014	U		0.018	0.0086 J		0.018	0.0183 J		0.019	0.0147 J		0.019
123678-HxCDD	U	0.0085	0.10	U		0.014	U	0.0009	0.014	U	0.0015	0.018	0.0132 J		0.018	0.0246		0.019	0.0244		0.019
123789-HxCDD	U		0.10	U		0.014	U		0.014	0.0009 J		0.018	0.0093 J		0.018	0.0184 J		0.019	0.0164 J		0.019
1234678-HpCDD	U	0.0047	0.10	U		0.014	U		0.014	U		0.018	0.0564 J		0.018	0.117		0.019	0.111		0.019
OCDD	0.0181 J		0.20	U		0.027	U		0.027	U		0.035	0.0664 J		0.037	0.135		0.037	0.128		0.038
2378-TCDF	U		0.020	U		0.0027	U		0.0027	U	0.0006	0.0035	0.0046		0.0037	0.0087		0.0037	0.0117		0.0038
12378-PeCDF	U	0.0028	0.10	U		0.014	U		0.014	U	0.0010	0.018	U	0.0076	0.018	U	0.0139	0.019	0.0175 J		0.019
23478-PeCDF	U		0.10	U		0.014	U		0.014	0.0011 J		0.018	0.0110 J		0.018	0.0223		0.019	0.0247		0.019
123478-HxCDF	U		0.10	U		0.014	U		0.014	0.0012 J		0.018	0.0114 J		0.018	U	0.0215	0.019	0.0270		0.019
123678-HxCDF	U	0.0030	0.10	U		0.014	U		0.014	U	0.0013	0.018	U	0.0095	0.018	U	0.0183	0.019	U	0.0204	0.019
234678-HxCDF	U		0.10	U		0.014	U		0.014	0.0012 J		0.018	0.0113 J		0.018	0.0221		0.019	U	0.0237	0.019
123789-HxCDF	U		0.10	U		0.014	U		0.014	U		0.018	U	0.0029	0.018	U	0.0057	0.019	U	0.0067	0.019
1234678-HpCDF	U	0.0034	0.10	U		0.014	U		0.014	0.0041 J		0.018	0.0266		0.018	0.0528		0.019	0.0583		0.019
1234789-HpCDF	U		0.10	U		0.014	U		0.014	U		0.018	0.0022 J		0.018	0.0047 J		0.019	0.0053 J		0.019
OCDF	U	0.0058	0.20	U		0.027	U		0.027	U		0.035	0.0087 J		0.037	0.0148		0.037	0.0180 J		0.038
Total TCDDs	U			U			U			0.0352			0.801			1.68			1.53		
Total PeCDDs	U			U			U			0.0166			0.643			1.32			1.26		
Total HxCDDs	U			U			U			0.0164			0.694			1.43			1.33		
Total HpCDDs	U			U			U			0.0070			0.134			0.280			0.264		
Total TCDFs	U			U			U			0.0032			0.286			0.567			0.702		
Total PeCDFs	U			U			U			0.0102			0.121			0.235			0.273		
Total HxCDFs	U			U			U			0.0091			0.0768			0.154			0.144		
Total HpCDFs	U			U			U			0.0041			0.0364			0.0720			0.0806		
Total Adjusted Conc																					
TEQ (ND=0)	0.0000			0.0000			0.0000			0.0013			0.0155			0.0287			0.0312		
TEQ (ND=1/2)	0.0039			0.0006			0.0004			0.0028			0.0177			0.0320			0.034		

COC# 04084

EMPC: Estimated Maximum Possible Concentration
TEQ: Toxicity Equivalent

The TEQ (ND=1/2) is calculated using 1/2 of the estimated detection limit for U (non detect) values

10-08-01dioair

ERTC: 10/21/01 09:50 AM

NYC Response

Solid Sample - dioxin and furan results

Sampling Date 10/08/01

Results Based on Dry Weight

Sample ID	MBLK-6246-1			03814			03815		
Sampling Location	Laboratory Method Blank			600 Gateway 34th			22 Cortland 7th		
Percent Solids	100			90.5			93.4		
	Result	EMPC	MDL	Result	EMPC	MDL	Result	EMPC	MDL
	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g	pg/g
Analyte									
2378-TCDD	U		0.50	4.06		0.55	13.3		0.54
12378-PeCDD	U	0.156	2.5	4.76		2.7	14.4		2.7
123478-HxCDD	U	0.116	2.5	3.45		2.7	9.46		2.7
123678-HxCDD	U	0.114	2.5	11.5		2.7	20.2		2.7
123789-HxCDD	U	0.188	2.5	8.57		2.7	26.0		2.7
1234678-HpCDD	0.492 J		2.5	314		2.7	323		2.7
OCDD	2.20 J		5.0	3090		5.5	3350		5.4
2378-TCDF	U		0.50	29.0		0.55	50.2		0.54
12378-PeCDF	0.142 J		2.5	U	26.8	2.7	U	38.3	2.7
23478-PeCDF	U	0.130	2.5	54.1		2.7	66.3		2.7
123478-HxCDF	0.148 J		2.5	34.7		2.7	44.1		2.7
123678-HxCDF	U	0.148	2.5	U	33.4	2.7	U	38.0	2.7
234678-HxCDF	0.150 J		2.5	U	46.3	2.7	U	53.5	2.7
123789-HxCDF	0.210 J		2.5	12.9		2.7	U	13.0	2.7
1234678-HpCDF	0.262 J		2.5	109		2.7	129		2.7
1234789-HpCDF	U	0.222	2.5	23.7		2.7	21.2		2.7
OCDF	0.762 J		5.0	167		5.5	176		5.4
Total TCDDs	U			291			1130		
Total PeCDDs	U			161			672		
Total HxCDDs	0.0540			158			507		
Total HpCDDs	0.492			620			653		
Total TCDFs	U			1230			1750		
Total PeCDFs	0.142			600			689		
Total HxCDFs	0.508			465			406		
Total HpCDFs	0.262			277			261		
Total Adjusted Conc.									
TEQ (ND=0)	0.0684			51.3			76.9		
TEQ (ND=1/2)	0.126			51.6			77.4		

coc# 05129

EMPC: Estimated Maximum Possible Concentration

TEQ: Toxicity Equivalent

The TEQ (ND=1/2) is calculated using 1/2 of the estimated detection limit for U (non detect) values.

ERT: 10/23/01 9:50 AM

10-08-01 dioxin-Solid

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